

ABSTRACT

Liquid laminating resin systems are used to attribute hurricane resistant properties to insulated glass window units. The activated resin system is then deposited on a single piece of float glass with the containment insulating unit or the resin can be injected between the air space of an existing insulated unit. In the first case, the second piece of glass completes the insulating unit. In both cases, the resin is allowed to cure 3-4 hours. The finished insulated and impact-resistant glass unit can then be installed into the window frame structure. Preferred resins include multiple component polyurethanes and special low shrinkage polyester systems with Argon gas between the glass layers after the resin has cured.